

Product Overview

LB11868V: Fan Motor Pre-Driver, Single-Phase, Full-Wave, Variable Speed

For complete documentation, see the data sheet.

LB11868V is a single-phase bipolar driving motor pre-driver with the variable speed function compatible with external PWM signal. With a few external parts, a highly-efficient and highly-silent variable drive fan motor with low power consumption can be achieved. This product is best suited for driving of the server requiring large air flow and large current and the fan motor of consumer appliances.

Features

- Variable speed control possible with external PWM input
- Current limiting circuit incorporated
- Soft start setting pin
- Pch-FET kickback absorption setting pin
- Lock protection and automatic reset circuits incorporated
- Thermal shutdown circuit incorporated
- Single-phase full-wave driving pre-driver
- Reactive current cut circuit incorporated
- Minimum speed setting pin
- Start setting pin of on time

For more features, see the data sheet

Benefits

- High Efficiency
- Over current protection
- Smooth booting
- Over voltage protection
- Destruction protection
- Thermal protection

Applications

- Computing & Peripherals
- Industrial

End Products

- Server
- Air conditioner
- Projector

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Phase	V_M Min (V)	V_M Max (V)	V_{CC} Min (V)	V_{CC} Max (V)	I_O Max (A)	I_O Peak Max (A)	Control Type	Package Type
LB11868V-TLM-H	1.0586	Pb-free Halide free non AEC-Q and PPAP	Active	1			4	16	0.03		PWM	SSOP-20J
LB11868V-W-AH	1.0374	Pb-free Halide free non AEC-Q and PPAP	Active	1			4	16	0.03		PWM	SSOP-20J

For more information please contact your local sales support at www.onsemi.com.

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